3.   Editing Schedules with TEDIT

TEDIT is the FASTER schedule editor. It allows you to add, delete, and modify schedules information you select.

3.1   Loading TEDIT

(1)   From the Microsoft Windows Program Manager window, double click on the **FASTER** group icon.

(2)   From the FASTER Group window double click on the **Tedit** icon.

TEDIT displays a "Schedule Info" dialog box displaying the year and week of the last schedule edited.[1]
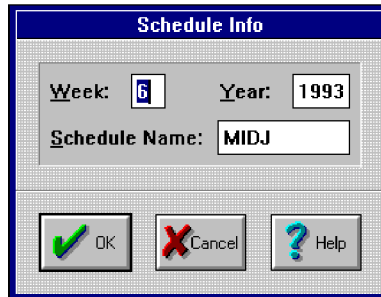

(3)   To tell TEDIT which schedule week to edit, input the **Week** and **Year** of the schedule to be edited. If the schedule was saved to a name other than the default, i.e., "MIDJ," input that in the **Schedule Name:** field.

(4)   Click the **OK** button.

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[1]   This information is saved to the [TEDIT] section of the FASTER.INI file found in the C:\WINDOWS subdirectory of the FASTER workstation. This information should *not* be modified.

TEDIT loads the schedule week. If that schedule week does not exist, TEDIT displays an error message box. For example, if Week 54 of Year 1993 does not exist, TEDIT displays the error message "Illegal week and year info."

After loading the selected Schedule Week, TEDIT displays the "Select Display Subset" dialog box to show what will be displayed based on the last TEDIT session. If you don't wish to change this, click **OK**.
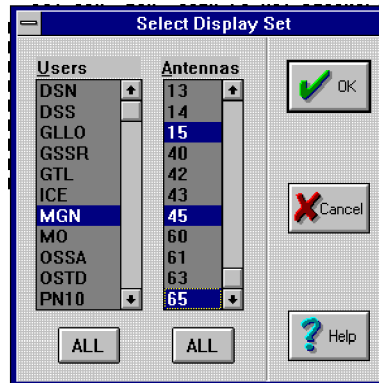
Otherwise, click on the projects and antennas of interest in the **Users** and **Antennas** lists, then click **OK**.

If your video resolution is set to 800 x 600 or above, TEDIT can display all the columns on the screen; otherwise, scroll bars appear indicating some scrolling is needed to view all information.   (See Sec. 1.5.2 on scrolling in MS-Windows.)

The TEDIT window's title bar shows the schedule database currently in use.[2] In the window at the bottom right is listed the following information:

- Schedule Name
- Week Number
- Year
- SOA or BOT held constant

The display in the TEDIT main window is laid out as follows:

ID No.	A unique ID assigned to it when it is created.
DOY	Day of Year
SOA	Start of Allocation
EOA	End of Allocation
User	Facility user
FC	DSN Antenna
ACT Description	Textual description of scheduled DSN activity
PRE	Pre-calibration time value
BOT	Begin of Track (Pre-cal has been factored in)
EOT	End of Track (Post-cal has been factored in)
POS	Post-calibration time value
WCT	DSN Work Code category
CNG	DSN Configuration code
XFLT	Conflict flag column. The ID numbers of items in conflict are displayed here.

3.2   TEDIT Navigational Aids

TEDIT has some additional keyboard navigation aides that you can use instead of the mouse:

|	
<UP ARROW>	Move one line up, if not already at the top.
<DOWN ARROW>	Move one line down, if not already at the bottom.
<RIGHT ARROW>	Move one field left, if not already at the left most field.

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2   The schedule database contains all the physical records for a given schedule week. To change the schedule database used by TEDIT, refer to Section 12 on FSTRCTRL, the FASTER Control Panel.

|	
<LEFT ARROW>	Move one field right, if not already at the right most field.
<PG-UP>	Move up one screen.
<PG-DN>	Move down one screen
<Home>	Move to the left most field.
<End>	Move to the right most field
<Ctrl-Home>	Move to the top line in the schedule.
<Ctrl-End>	Move to the bottom line of the schedule.

3.3   Opening and Saving a Schedule Week

3.3.1   Opening a Schedule Week

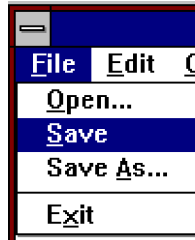(1)   From the main **File** pull-down menu, select *Open...* .
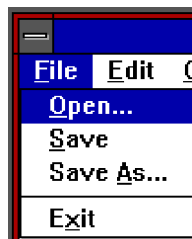
TEDIT displays a "Schedule Info" dialog box.
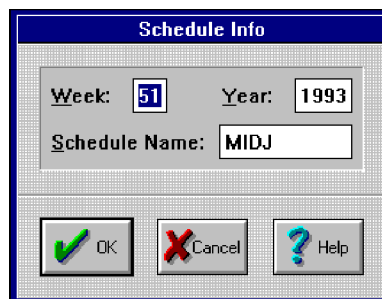
(2)   Enter the week, year, and (optionally) schedule name.

(3)   Click **OK**. TEDIT loads the schedule.

3.3.2   Saving A Schedule Week

(1)   From the main **File** pull-down menu, select the *Save* option.

TEDIT saves the schedule week and shows its progress in a message box. It will then release the schedule to the external users by writing the text file otuput to the \FASTER\DATA\REMOTE subdirectory.

(2)   To save a schedule to a different name or week (as, for example, if you want to use a particular week as a template for another week), do the following:

(a)   From the main **File** pull-down menu, select the *Save As...* option.

TEDIT displays a "Schedule Info" dialog box.

(b)   Enter the appropriate week, year, and new schedule name and click **OK**.

## 3.4   Typing and Revising Schedule Information

To type a new value for the currently selected field, just type. The new value appears in the edit box at the bottom left of the screen.

 Press <ENTER> when finished to have the value entered into the schedule proper, or <ESC> if you wish to leave the value unmodified.

To edit the **ACT** (Activity) **DESCRIPTION** field without re-entering the entire string, press <F2>. The current value is displayed in the edit box at the bottom left of the screen. Use the <ARROW KEYS> to position the caret at the location of interest and start typing. Press <ENTER> when finished or <ESC> to leave the value unmodified

Most fields are checked for validity upon input. If an input value is out of a specified range, TEDIT displays an error message box.   The **CNG** (Configuration) code is a special case. If you enter a configuration code that is not currently part of FASTER's database, you are asked if you wish to add the new code to the database.
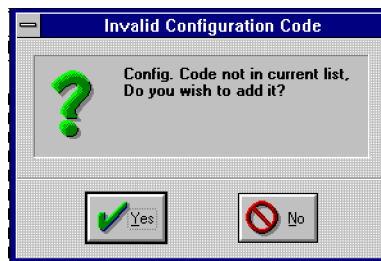
Selecting **Yes** will make it a permanently valid configuration code; selecting **No** means you will have to enter a different value.

The validity tests to be passed are listed in the table below.

Name of Test	Criteria for Validity
DOY	Must be a valid day of year for the week being edited.
SOA	0-2359 in hour minute format. TEDIT automatically pads with leading zeros.
EOA	0-2359 in hour minute format. TEDIT automatically pads with leading zeros.
USER	Must be a valid user mnemonic from the user information file[3].
FC	Must be a valid short resource (antenna) name from the antenna information file[4].

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[3]   The users are contained in the USER.INI file.

[4]   The antennas are contained in the ANTENNA.INI file.

Name of Test	Criteria for Validity
ACT DESCRIPTION	No checking; 16-character maximum.
PRE	0-959 in hour minute format. TEDIT will automatically pad with leading zeros.
BOT	0-2359 in hour minute format. TEDIT automatically pads with leading zeros.
EOT	0-2359 in hour minute format. TEDIT automatically pads with leading zeros.
POS	0-959 in hour minute format. TEDIT automatically pads with leading zeros.
WCT	Must be a valid work code category from the work code category file[5].
CNG	Must be a valid configuration code from the configuration code and equipment Info file[6].

When a schedule activity is edited such that it falls into a schedule week *other than* the one being edited, TEDIT will prompt the user with the "Cross Week Change" Message Box.
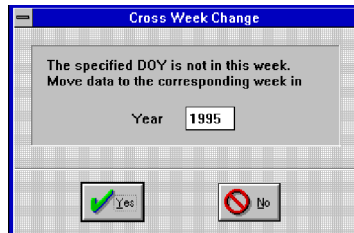
If the activity has crossed the year boundary enter the new year into the Year edit control

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[5]   The DSN work codes are contained in the WORKCAT.INI file.

[6]   The DSN configuration codes are contained in the CONFIG.INI file .

(1) Click the **OK** button.

TEDIT will display the "Cross Week" Message Box.

(2) Click the **OK** button if you want the cross copy to take place.

3.5   Cutting, Copying, and Pasting Schedule Items

To COPY the current schedule line (that is, the one highlighted in reverse video)—

From the main **Edit** pull-down menu, select the *Copy Line* option.

TEDIT will add a new line identical to the one currently selected.

To remove or CUT a schedule line—

From the main **Edit** pull-down menu, select the *Cut Line* option. TEDIT will copy the cut or copied line into the schedule listing.

To copy a line elsewhere in a schedule, use the *Paste Line* option. Before using *Paste Line*, use either the *Cut Line* or *Copy Line* option to put a copy of the selected item into the "paste buffer."
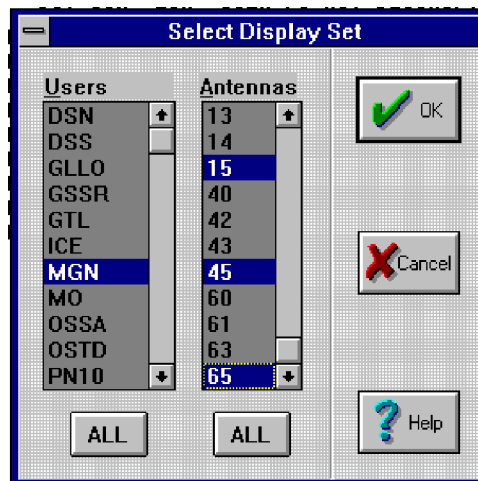

3.6   Displaying a Subset of a Schedule

To work with only a subset of a week's schedule data (for example, only the Galileo entries)—

(1)   From the main **Options** pull-down menu, select the *Select Subset...* option.

TEDIT displays the "Select Display Set" dialog box.

This box has two lists, one for **Users** and one for **Antennas**. In this example, the user has selected the MGN user and Antennas 15, 45, and 65.

(2)   Make your selections and click **OK**. TEDIT redisplays the main window, showing only the selected data subsets.

To redisplay all user activities on the schedule after displaying only a subset—

From the main **Options** pull-down menu, select the *Display All* option.

TEDIT redisplays all activities in that schedule.

3.7 Forcing SOA or BOT to Remain Constant

When an allocation's begin, end, pre-, or post-calibration time is changed, the related beginning of track or end of track (BOT/EOT) is updated automatically. And likewise when a beginning of track or end of track is changed, the related start of acquisition or end of acquisition (SOA/EOA) is updated automatically. To hold one of these values constant, use the *SOA Constant* or *BOT Constant* options, as follows:

From the main **Options** pull-down menu, select the *SOA Constant* or *BOT Constant* option.

3.8   Flagging Conflicts

TEDIT will check the schedule for any antenna and AOS/SOA conflict. Perform these checks as follows:

(1)   From the main **Options** pull-down menu, select the *Flag Conflicts...* option.

TEDIT places the error flags in the right-most column labeled **XFLT**.   Those error flags refer to the ID numbers on the left-hand side of the screen. If TEDIT finds more than one conflict, it displays **MORE**. (For more specifics, see Section 4 on LINELIST.)
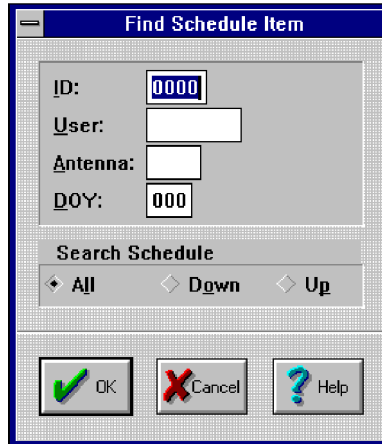
3.9   Searching for Schedule Items

To locate a specific schedule item, use the **Search** feature, as follows:

(1)   From the main **Search** pull-down menu, select the *Find* option.

TEDIT displays the "Find Schedule Item" dialog box.

You can search on one or more of the following search criteria:

- ID   a schedule line item's a unique ID number.
- User   a particular flight project or other user.
- Antenna   one of the DSN antennas.
- DOY   day of year.

You can also specify the search direction to one of three options:

- All   search in both directions.
- Up   search only upwards (backwards) to the beginning of the file.
- Down   search only downwards (forwards) to the end of the file.

(2)   Enter the necessary search criteria and press **OK**. TEDIT locates the first schedule item matching your input search criteria.

After having flagged conflicts, you can jump from conflict to conflict using the *Next Conflict* option on the **Search** menu:

From the main **Search** pull-down menu, select the *Next Conflict* option. TEDIT jumps to the next conflict.

3.10   Toggling NIBs, Hards, and Waivers

"NIBs," "Hards," and "Waivers" are terms describing three types of schedule item conflicts:

- NIB   Non-Interference Basis. Although this activity appears to impact other schedule items, in fact, it does not.

- Hard   This is a hard conflict requiring special notation.

- Waiver   RFI conflict.

These three conflict types are toggled on and off. It is not possible to have both a NIB and a Hard conflict simultaneously. The two are mutually exclusive. To toggle a conflict designation on and off:

From the main **Line** pull-down menu, select one of the three options:

- *Toggle Hard Mark*   TEDIT will place an "H" in the far left column.

- *Toggle the NIB Mark*   TEDIT will place an "N" in the far left column.

- *Toggle RFI Waiver:*   TEDIT will place a "I" in the far left column.

3.11 Auto-Save Mode

With version 2.1, TEDIT allows the user to backup the currently open schedule at a user defined interval. This prevents loss of data in the event of an unforeseen computer glitch.

(1) From the Main menu bar select the File option.
(2) From the File pull-down menu select the "Set Auto Save Timer..." option.

Options	Search	Line	Help
Select Display Set...	Ctrl-D		
Display All	Ctrl-A		
SOA Constant	Ctrl-S		
BOT Constant	Ctrl-B		
Real Time Conflict			
Flag Conflict...	Ctrl-X		
Erase Hard Conflicts			
Set Auto-Save Timer...			

The "Timer Period" Dialog box will appear.
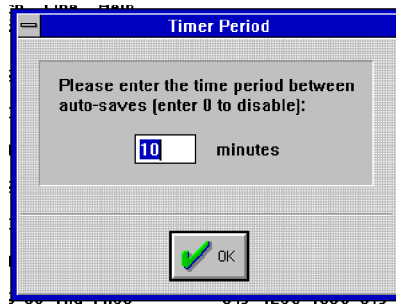
(3) In the dialog box enter the time interval (in minutes).

(4) Click the **OK** button.

The Auto-Save status value at the bottom of the TEDIT window will change to ON.